This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claims 1- 12 (cancelled).

Claim 13 (currently amended): A method for constructing an inductive write structure for use in a magnetic data recording system, comprising:

forming a first magnetic pole of a magnetic material;

depositing a first insulation layer;

depositing a layer of dielectric write gap material;

forming an electrically conductive coil;

depositing a second insulation layer;

curing said second insulation layer;

sputter depositing forming a thin layer of high magnetic moment material, by sputter depositing a lamina of FeXN, X being selected from the group of materials consisting of Rh, Ta, Al, Ti, and Zr, and sputter depositing a lamina of a cobalt based ferromagnetic amorphous alloy;

masking the thin layer of high magnetic moment material in a pattern corresponding to patterning a second pole;

plating a magnetic material in the pattern of said second pole; and performing a first ion milling process, to remove at least a portion of the sputtered, high magnetic moment material not covered by the plated second pole.

Claim 14 (currently amended): The method of claim 13, further comprising, after forming the first magnetic pole:

sputter depositing forming a layer of a high magnetic moment material onto said first pole; masking the high magnetic moment material sputter deposited formed onto the first pole in a pattern corresponding to a pedestal to be formed on an end of the first pole; and etching to remove said sputter deposited high magnetic moment material not covered by said mask to form said pedestal.

Claim 15 (previously presented): The method of claim 14, further comprising:

depositing a mask on said plated magnetic material forming said second pole, said mask being disposed at an end of said second pole;

performing a second ion milling process to remove a portion of said second pole at said end;

performing a reactive ion etching process to remove a portion of said dielectric write gap material layer; and

performing a third ion milling process to remove a material from said pedestal.

Claim 16 (previously presented): The method of claim 14, further comprising, following depositing the first insulation layer, polishing said first insulation layer using a chemical mechanical polishing process.

Claim 17 (canceled)

Claim 18 (canceled)

Claim 19 (currently amended): The method of claim [[18]] 13 wherein depositing the cobalt based ferromagnetic amorphous alloy comprises depositing Co₉₀Zr₉Cr.

Claim 20 (canceled)

Claim 21 (currently amended): The method of claim [[17]] 13 wherein depositing [[FeXn]] FeXN comprises depositing Rh.

Claim 22 (currently amended): The method of claim [[17]] 13 wherein depositing [[FeXn]] FeXN comprises depositing Ta.

Claim 23 (currently amended): The method of claim [[17]] 13 wherein depositing [[FeXn]] FeXN comprises depositing Al.

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Claim 24 (currently amended): The method of claim [[17]] 13 wherein depositing [[FeXn]] FeXN comprises depositing Ti.

Claim 25 (currently amended): The method of claim [[17]] 13 wherein depositing [[FeXn]] FeXN comprises depositing Zr.

Claim 26 (previously presented): The method of claim 13 wherein plating the second pole magnetic material comprises plating a Ni-Fe alloy.

Claim 27 (previously presented): The method of claim 13 wherein plating the second pole magnetic material comprises plating to a material thickness about 2um.

Claim 28 (canceled)

Claim 29 (canceled)

Claim 30 (canceled)

Claim 31 (previously presented): The method of claim 14 wherein sputter depositing the forming the thin layer of high magnetic moment material onto the first pole comprises sputter depositing Rh.

Claim 32 (previously presented): The method of claim 14 wherein sputter depositing the forming the thin layer of high magnetic moment material onto the first pole comprises sputter depositing Ta.

Claim 33 (previously presented): The method of claim 14 wherein sputter depositing the forming the thin layer of high magnetic moment material onto the first pole comprises sputter depositing Al.

Claim 34 (previously presented): The method of claim 14 wherein sputter depositing the forming the thin layer of high magnetic moment material onto the first pole comprises sputter depositing Ti.

Claim 35 (previously presented): The method of claim 14 wherein sputter depositing the forming the thin layer of high magnetic moment material onto the first pole comprises sputter depositing Zr.

Claim 36 (previously presented): The method of claim 14 wherein sputter depositing the forming the thin layer of high magnetic moment material onto the first pole comprises depositing at least one lamina of a high magnetic moment material and at least one lamina of a non-magnetic, dielectric material.

Claim 37 (previously presented): The method of claim 14 wherein sputter depositing the forming the thin layer of high magnetic moment material onto the first pole comprises depositing at least one lamina of FeXN, wherein X is selected from the group of materials consisting of Rh, Ta, Al, Ti and Zr, and at least one lamina of a non-magnetic, dielectric material.

Claim 38 (previously presented): The method of claim 14 wherein sputter depositing the forming the thin layer of high magnetic moment material onto the first pole comprises depositing at least one lamina of a high magnetic moment material and at least one lamina of a cobalt based amorphous ferromagnetic alloy.

Claim 39 (previously presented): The method of claim 14 wherein sputter depositing the forming the thin layer of high magnetic moment material onto the first pole comprises depositing at least one lamina of a high magnetic moment material and at least one lamina of Co₉₀Zr₉Cr.

Claim 40 (previously presented): The method of claim 14 wherein sputter depositing forming the high magnetic moment material onto the first pole comprises sputter depositing FeXN, X being selected from the group of materials consisting of Rh, Ta, Al, Ti, and Zr.

Claim 41 (currently amended): The method of claim 40 wherein sputter depositing forming the

high magnetic moment material onto the first pole comprises sputter depositing a lamina of [[FeXn]] <u>FeXN</u>, and further comprises depositing a lamina of a cobalt based ferromagnetic amorphous alloy.

Claim 42 (currently amended): The method of claim 40 wherein sputter depositing forming the high magnetic moment material onto the first pole further comprises depositing a lamina of Co₉₀Zr₉Cr.

Claim 43 (currently amended): The method of claim 40 wherein sputter depositing forming the high magnetic moment material onto the first pole comprises depositing Rh.

Claim 44 (currently amended): The method of claim 40 wherein sputter depositing forming the high magnetic moment material onto the first pole comprises depositing Ta.

Claim 45 (currently amended): The method of claim 40 wherein sputter depositing forming the high magnetic moment material onto the first pole comprises depositing Al.

Claim 46 (currently amended): The method of claim 40 wherein sputter depositing forming the high magnetic moment material onto the first pole comprises depositing Ti.

Claim 47 (currently amended): The method of claim 40 wherein sputter depositing forming the high magnetic moment material onto the first pole comprises depositing Zr.

Claim 48 (currently amended): The method of claim 14 wherein <u>forming</u> said pedestal comprises forming a laminate comprising at least one lamina of a high magnetic moment material and at least one lamina of a non-magnetic, dielectric material.

Claim 49 (currently amended): The method of claim 14 wherein <u>forming</u> said pedestal comprises forming a laminate comprising at least one lamina of FeXN, wherein X is selected from the group of materials consisting of Rh, Ta, Al, Ti and Zr, and at least one lamina of a non-magnetic, dielectric material.

Claim 50 (currently amended): The method of claim 14 wherein <u>forming</u> said pedestal comprises forming a laminate comprising at least one lamina of a high magnetic moment material and at least one lamina of a cobalt based amorphous ferromagnetic alloy.

Claim 51 (currently amended): The method of claim 14 wherein <u>forming</u> said pedestal comprises forming a laminate comprising at least one lamina of a high magnetic moment material and at least one lamina of Co₉₀Zr₉Cr.

Claim 52 (new): The method of claim 13, further comprising:

depositing a mask on said plated magnetic material forming said second pole, said mask being disposed at an end of said second pole;

performing a second ion milling process to remove a portion of said second pole at said end;

performing a reactive ion etching process to remove a portion of said dielectric write gap material layer; and

performing a third ion milling process to remove a material from said pedestal.

Claim 53 (new): The method of claim 13, further comprising, following depositing the first insulation layer, polishing said first insulation layer using a chemical mechanical polishing process.